CA - PMM

Project Name: Truck Data Warehouse (TDW)

OCIO Project #:
Department: Department of Transportation (Caltrans)
Revision Date: 10/12/10

Concept Statement

Description

Brief description of the proposed project:

Implement an automated weigh-in-motion data storage and retrieval system for storage and retrieval of truck data needed to research, develop, test, and evaluate transportation innovations.

Need Statement

High Level Capabilities Needed:

Automated database for storage and retrieval of truck data such as classification, weight, length, speed, volumes, etc.

What is Driving This Need?

Majority of data is stored in flat data files from which data extraction is done manually when needed. A data-centric enterprise application for storing and retrieving data would allow a more efficient use of resources by internal and external customers.

Risk to the Organization if This Work is Not Done:

Current process will continue.

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Concept Statement

Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

TBD.

Other Intangible Benefits:

TBD.

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

TBD.

Cost Savings (describe how cost will be reduced):

TBD.

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Cost Avoidance (describe the cost and how avoided):

TBD.

Risk Avoidance (describe the risk and how avoided):

TBD.

Improved Services:

TBD.

Consistency

"No" Responses		Rationale	Action Required
Enterprise Architecture	Yes		
Business Plan	Yes		
Strategic Plan	Yes		

Impact to Other Entities

Nature of Impact to Other Entities

Entity:
Describe the nature of the impact:

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TBD.

Entity:

Describe the nature of the impact:

Entity:

Describe the nature of the impact:

Entity:

Describe the nature of the impact:

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Solution Alternatives

Alternative 1:
TBD.

Technical Considerations for Alternative 1:

ROM Cost:	$50,001	to	$500,000	Note: high end of range must not exceed 200% of low end of range

Alternative 2:
TBD.

Technical Considerations for Alternative 2:

ROM Cost:		to		Note: high end of range must not exceed 200% of low end of range

Alternative 3:
TBD.

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Technical Considerations for Alternative 3:		
ROM Cost:	to	**Note: high end of range must not exceed 200% of low end of range**

Recommendation

Comparison:

Alternative 1	ROM Cost		Risk
	$50,001	- $500,000	
Alternative 2	**ROM Cost**		**Risk**
	$0	- $0	
Alternative 3	**ROM Cost**		**Risk**
	$0	- $0	

Conclusions:

1	
2	
3	
4	

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Recommendation:

Concept Approach *(if known)*

System Complexity:			System Business Hours: *(e.g., 24x7, 9am-5pm)* :	To Be Determined in the Feasibility Study.	
Architecture	☐ Mainframe	☐ Client Server	☐ Web Based	Num. of New Databases:	1
Technology	☐ New	☐ New to Staff	☐ In-House Experience	Interfaces:	
Implementation	☐ Central Site	☐ Phased Roll-out		Num. of Sites:	
M & O Support	☐ Contractor	☐ Data Center	☐ Project	☐ Returned to Sponsor	

Procurement Approach: *(consult with OSI Procurement Center)*	Number of Procurements:

Open Procurement?		Delegated Procurement? Yes.		
Scope of Contract	☐ Development	☐ Implementation	☐ M & O	☐ Other:
Anticipated Length of Contract:	Years /	extensions for	years	